

EXHIBIT A
Explanation of Value of Airfield Utilization

The cost to operate the NASA Ames Research Center, Moffett Federal Airfield (MFA) is approximately \$6.250M per year.

The capacity of MFA is 25,000 flight operations per calendar year. An airfield flight operation is defined as a take-off “or” a landing.

The California Air National Guard, 129th Rescue Wing utilizes approximately 6,000 Operations per year.

The California Air National Guard (CA ANG) utilization of MFA is priced at \$1.275M in FY 2009 based on 6000 operations per year. This price will increase annually by inflation.

NASA and ANG agree that the price will be reviewed for modification if the number of flight operations at MFA vary + or – 10%. (Range of annual flight operations 5401 – 6600)

NASA agrees to accept in-kind consideration by providing a service funded by Center Management and Operations (CM&O). NASA and ANG agree that the Air Traffic Control services and Air traffic Control Navigational Aid (NAVID) will be accepted as the in-kind services as defined in the following Scope.

Scope

(CA ANG) shall provide Air Traffic Control (ATC) services, weather observation, and Air Traffic Control Navigational Aid (NAVID) maintenance for Moffett Federal Airfield and the associated Moffett Class D Airspace as described in the Federal Register.

The ATC normal hours of operations are as follows:

7 Days per week-CONTROL TOWER

16 hours per day 7 days per week between the hours of 700 and 2300.

The NASA Airfield Management Office (NAMO) reserves the right to curtail normally scheduled hours of operation. The CA ANG will be notified 24 hours in advance by the NAMO that curtailed hours of operation are required. The majority of curtailed hours will be related to supporting NASA mission related requirements.

A. The CA ANG shall be responsible for providing ATC services, weather observation, and ATCALS maintenance as addressed in this agreement. The Air Traffic Manager (ATM) shall coordinate through the NAMO for airfield operational matters. The ATM is responsible to the Commander 129th Rescue Wing (129 RQW). General information concerning ATC services shall be included in the NASA Airfield Operations Manual. Information and procedures shall include but are not limited to:

- (1). General information regarding Airfield Facilities

- (2). Runway selection Procedures
 - (3). Airfield Lighting Systems
 - (4). Aircraft arresting gear procedures
 - (5). ATC Facilities—Operating Hours, Frequencies, Designated Airspace
 - (6). NAVAID Preventive Maintenance Inspection (PMI) schedule and Generator
- Power.
- (7). Automated Terminal Information Service (ATIS) Procedures
 - (8). Aircraft Special Operations Area/Ramps—Arm/De-Arm Areas, Engine Run-up
- Areas.
- (9). Noise Abatement Procedures
 - (10). Protecting Precision Approach Critical Area
 - (11). Restricted/Classified Areas on the Airfield
 - (12). Procedures for Opening and closing the Runway
 - (13). Procedures for Suspending Runway Operations
 - (14). Engine Test/Run-up Procedures
 - (15). Local Flying Area/Designation of Airspace
 - (16). VFR Traffic Patterns
 - (17). Special Procedures (Helicopter, functional Check Flight, Parachute Operations, Research Operations)
 - (18). Intersection Departures
 - (19). Emergency
 - (a). Response Procedures, Designation and Responsibilities
 - (b). Hot Brake Area and Procedures
 - (c). Hung Ordnance Procedures
 - (d). Evacuation of ATC Operations Facilities
 - (20). Bird/Wildlife Control
 - (21). Bird Watch Conditions
 - (22). Weather Dissemination and Coordination Procedures
 - (23). Lost communication Instructions
 - (24). Standard Climb-Out Instructions
 - (25). Breakout/Go Around Missed Approach Procedures
 - (26). Flight line and Vehicle Traffic Procedures
 - (27). Procedures for Gaining Access to the Controlled Movement Area
 - (28). Unscheduled Aircraft Arrivals
 - (29). Distinguished Visitor Notification Procedures
 - (30). Local Aircraft Priorities
 - (31). Prior Permission Request (PPR) Procedures
- B. The CA ANG shall ensure that local atc procedures are developed and maintained for:
- (1). Opening and Closing checklists and messages
 - (2). Airfield Lighting and Light Panel Operation
 - (3). Shift Change Responsibilities
 - (4). Primary Crash Alarm System (PCAS)
 - (5). Non In Flight Emergency Response
 - (6). Facility Evacuation Plan
 - (7). NAVAID Site Evacuation
 - (8). Ames Model Aircraft Club Operations

- (9). PPR Verification
- (10). Parachute/Bundle Drop Operations
- (11). Spectrum Inference Resolution
- (12). Fuel Pits Lightning Advisory
- (13). Standard VFR Go Around Procedure
- (14). Overhead Approaches
- (15). Maintenance Outages
- (16). Training During Emergencies
- (17). Protection of the ILS Critical Areas
- (18). Unlawful Seizure of Aircraft (Hijack)
- (19). Noise Abatement Procedures
- (20). Extending Tower Operating Procedures
- (21). Bird Strike Hazard (BASH) Conditions
- (22) Night Vision Device (NVD) Operations

C. The CA ANG will provide technical support and services in area of ATC procedures development and review, preparation of operations manuals; participate in negotiations of Letters of Agreement for provision of ATC services between NASA, FAA, and other agencies. These agreements will be concerned with ATC and NAVID maintenance related matters.

D. ATC, weather observation, and NAVAID maintenance services will be provided by CA ANG in accordance with applicable USAF/ANG and FAA regulations and directives. Training, personnel administration, safety procedures, staffing standards and other operational matters will be conducted in accordance with USAF/ANG regulations and procedures unless other standards are agreed upon by both parties.

E. Facilities will be available for training ANG ATC personnel. The furnishing, maintenance, repair and upgrade of the facilities required for ATC (Building 158 and other buildings as assigned) along with utilities, communications, and other infrastructure services will be provided by NASA.

F. Equipment upgrades and purchase of new equipment to replace items determined to have reached the end of useful life will be evaluated in accordance with Responsibilities in the MOA

G. Upon termination of the Permit agreement the CA ANG will transfer all equipment associated with maintaining ATCAL system to NASA.

(3). Publications/Technical Orders—CA ANG will provide all charts, publications, and technical orders necessary for provision of services.

EXHIBIT B
Aviation Management

EXHIBIT B-1.1

NPR 7900.3B Subject: Aircraft Operations Management

http://nodis3.gsfc.nasa.gov/displayDir.cfm?Internal_ID=N_PR_7900_003B_&page_name=Chapter13

EXHIBIT B-1.2
NASA Ames Research Center, Aviation Management Office

a. JO-1 Accident/Incident Response Plan (PDF)

http://fltops.arc.nasa.gov/documents/docs/JO_1_AIRP_Rev_1_22_Public.pdf

b. JO-2 Airfield Operations Manual(PDF)

http://fltops.arc.nasa.gov/documents/docs/JO-2%20AOM%202009_R3.pdf

c. JO-7 Wildlife Management Plan (PDF)

http://fltops.arc.nasa.gov/documents/docs/JO7WHMP030710_2.pdf